

## Author index

- AARDEN, L. A. *see* TEELING, J. L.  
ABO, T. *see* HALDER, R. C.  
ABRAHAM, D. J. *see* DENTON, C. P.  
ACCARDO, P. *see* DI BONA, D.  
AFZELIUS, P. *see* NIELSEN, S. D.  
AGREWALA, J. N. & WILKINSON, R. J. Differential regulation of Th1 and Th2 cells by p91–110 and p21–40 peptides of the 16-kD  $\alpha$ -crystallin antigen of *Mycobacterium tuberculosis*, 392  
AKOL, H. *see* DIELEMAN, L. A.  
ALIEMÁN, M. *see* SASIAIN, M. DEL C.  
ALGUERÓ, A. *see* LABRADOR, M.  
ALPERS, J. H. *see* WANG, S.-Z.  
ALVAR, J. *see* MEDRANO, F. J.  
AMMERLAAN, W. *see* DEMOTZ, S.  
ANGEL, J. B. *see* KUMAR, A.  
ASAI, T. *see* WAKISAKA, S.  
ASSELIN, S., CONJEAUD, H., FRADELIZI, D. & BREBAN, M. *In vitro* differentiation of peripheral blood T cells towards a type 2 phenotype is impaired in rheumatoid arthritis (RA), 284  
AUKRUST, P. *see* NORDØY, I.  
BAGENSTOSE, L. M., SALGAME, P. & MONESTIER, M. Mercury-induced autoimmunity in the absence of IL-4, 9  
BAGNARD, G. *see* ROSTOKER, G.  
BAKHET, M., MUSTAFA, M., ZHU, J., HARRIS, R., LINDQUIST, L., LINK, H. & DIAB, A. Induction of cytokines and anti-cytokine autoantibodies in cerebrospinal fluid (CSF) during experimental bacterial meningitis, 398  
BANNER, B. *see* LOGAN, T. F.  
BANNERJEE, D. *see* CHATTERJEE, M.  
BARBEY, C. *see* DEMOTZ, S.  
BARCELLINI, W. *see* RIZZARDI, G. P.  
BASCONE, F. *see* DI BONA, D.  
BASU, D. *see* CHATTERJEE, M.  
BASU, K. *see* CHATTERJEE, M.  
BATTEZZATI, P. M. *see* INVERNIZZI, P.  
BELLAVIA, D. *see* DI BONA, D.  
BELLINI, A. *see* BROWN, J. R.  
BELLONE, C. *see* SARUGERI, E.  
BENTWICH, Z. *see* KALINKOVICH, A.  
BIGNOTTO, M. *see* INVERNIZZI, P.  
BLACK, C. M. *see* DENTON, C. P.  
BLEEKER, W. K. *see* TEELING, J. L.  
BLOEMENA, E. *see* DIELEMAN, L. A.  
BOA, F. *see* PELLI, N.  
BONIFACIO, E. *see* SARUGERI, E.  
BORZI, R. M. *see* GRIGOLO, B.  
BOWDEN, J. J. *see* WANG, S.-Z.  
BRAI, M. *see* DI BONA, D.  
BREBAN, M. *see* ASSELIN, S.  
BREGENHOLT, S., BRIMNES, J., REIMANN, J. & CLAESSEN, M. H. Accumulation of immunoglobulin-containing cells in the gut mucosa and presence of faecal immunoglobulin in severe combined immunodeficient (scid) mice with cell-induced inflammatory bowel disease (IBD), 19  
BRIMNES, J. *see* BREGENHOLT, S.  
BROWN, J. R., KLEIMBERG, J., MARINI, M., SUN, G., BELLINI, A. & MATTOLI, S. Kinetics of eotaxin expression and its relationship to eosinophil accumulation and activation in bronchial biopsies and bronchoalveolar lavage (BAL) of asthmatic patients after allergen inhalation, 137  
BRYNIARSKI, K. *see* PTAK, W.  
CAFFORIO, P. *see* FRASSANITO, M.A.  
CAMARDA, G. *see* FRASSANITO, M.A.  
CAMERON, W. D. *see* KUMAR, A.  
CAÑAVATE, C. *see* MEDRANO, F. J.  
CARLÉN, S., HANSSON, A.-S., OLSSON, H., HEINEGÅRD, D. & HOLMDAHL, R. Cartilage oligomeric matrix protein (COMP)-induced arthritis in rats, 477  
CARLSTEN, H. *see* TAUBE, M.  
CHAPMAN, C. J. *see* MOCKRIDGE, C. I.  
CHATTERJEE, M., BASU, K., BASU, D., BANNERJEE, D., PRAMANIK, N., GUHA, S. K., GOSWAMI, R. P., SAHA, S. K. & MANDAL, C. Distribution of IgG subclasses in antimonials unresponsive Indian kala-azar patients, 408  
CHIANG, T. J. *see* HUSSAIN, R.  
CLAESSEN, M. H. *see* BREGENHOLT, S.  
CLEMENZA, L. *see* DI BONA, D.  
COHEN TERVAERT, J. W. *see* MULLER KOBOLD, A. C.  
CONJEAUD, H. *see* ASSELIN, S.  
CONNAUGHTON, J. J. *see* O'HARA, A. M.  
COOKSON, S. *see* RIZZARDI, G. P.  
COPELAND, K. F. T., MCKAY, P. J., NEWTON, J. J. & ROSENTHAL, K. L. Enhancement of HIV-1 replication in human macrophages is induced by CD8<sup>+</sup> T cell soluble factors, 87  
CORMAN, J. M., SERCARZ, E. E. & NANDA, N. K. Recognition of prostate-specific antigenic peptide determinants by human CD4 and CD8 T cells, 166  
CORRADIN, G. *see* EBEL, G.  
CRAXI, A. *see* DI BONA, D.  
CROSIGNANI, A. *see* INVERNIZZI, P.  
CRUZ, C. R. B. *see* SOUZA, A. R.  
CRYZ, S. *see* SAUERWEIN-TEISSI, M.  
CSENRÖK, E. *see* MOOSIG, F.  
D'AGOSTINO, C. *see* MASTROIANNI, C. M.  
DAFTARIAN, M. P. *see* KUMAR, A.  
DAHA, M. R. *see* FIJEN, C. A. P.  
DALGLEISH, A. G. *see* RIZZARDI, G. P.  
DAMMACCO, F. *see* FRASSANITO, M. A.  
DANKERT, J. *see* FIJEN, C. A. P.  
DANKERT, J. *see* PRINS, J. M.  
DE BOER, B. A., KUIZE, Y. C. M. & YAZDANBAKHSH, M. *In vitro* production of IgG4 by peripheral blood mononuclear cells (PBMC): the contribution of committed B cells, 252  
DE GROOT, E. R. *see* TEELING, J. L.  
DE HAAS, M. *see* MULLER KOBOLD, A. C.  
DE LA BARRERA, S. *see* SASIAIN, M. DEL C.  
DEL PAPA, N. *see* INVERNIZZI, P.  
DEMOTZ, S., AMMERLAAN, W., FOURNIER, P., MULLER, C. P. & BARBEY, C. Processing of the DRB1\*1103-restricted measles virus nucleoprotein determinant 185–199 in the endosomal compartment, 228  
DENTON, C. P., SHI-WEN, X., SUTTON, A., ABRAHAM, D. J., BLACK, C. M. & PEARSON, J. D. Scleroderma fibroblasts promote migration of mononuclear leucocytes across endothelial cell monolayers, 293  
DERKX, B. H. F. *see* PRINS, J. M.  
DI BONA, D., MONTALTO, G., CLEMENZA, L., BASCONE, F., ACCARDO, P., BELLAVIA, D., CRAXI, A. & BRAI, M. Soluble complement receptor type I (sCR1) in chronic liver diseases: serum levels at different stages of liver diseases, 102  
DIAB, A. *see* BAKHET, M.  
DIAZ-MITOMA, F. *see* KUMAR, A.  
DIELEMAN, L. A., PALMEN, M. J. H. J., AKOL, H., BLOEMENA, E., PEÑA, A. S., MEUWISSEN, S. G. M. & VAN REES, E. P. Chronic experimental colitis induced by dextran sulphate sodium (DSS) is characterized by Th1 and Th2 cytokines, 385  
DINAN, L. *see* RIDINGS, J.  
DIAZ, C. *see* LABRADOR, M.  
DOBASHI, H. *see* TAKATA, Y.  
DOCKRELL, H. M. *see* HUSSAIN, R.

- DOMSCHKE, W. *see* LÜGERING, N.  
 DOZIO, N. *see* SARUGERI, E.  
 DRIJFHOUT, J. W. *see* TEN DAM, M.  
 DROGARI-APIRANTHITOU, M. *see* FIJEN, C. A. P.
- EBERL, G., JIANG, S., YU, Z., SCHNEIDER, P., CORRADIN, G. & MACH, J.-P. An anti-CD19 antibody coupled to a tetanus toxin peptide induces efficient Fas ligand (FasL)-mediated cytotoxicity of a transformed human B cell line by specific CD4<sup>+</sup> T cells, 173
- ECONOMOU, A. *see* POLIHRONIS, M.
- EERENBERG, A. J. M. *see* TEILING, J. L.
- EGUCHI, K. *see* NAKAMURA, H.
- EITAN, S. *see* KALINKOVICH, A.
- ELIAS, N. *see* SHAPIRO, S.
- ERNSTOFF, M. S. *see* LOGAN, T. F.
- ERSBOLL, A. K. *see* NIELSEN, S. D.
- FABBRI, M. *see* GRIGOLO, B.
- FACCHINI, A. *see* GRIGOLO, B.
- FAQIM-MAURO, E. L. & MACEDO, M. S. The immunosuppressive activity of *Ascaris suum* is due to high molecular weight components, 245
- FARIÑA, M. H. *see* SASIAIN, M. DEL C.
- FASANO, L. *see* GRIGOLO, B.
- FASS, D. N. *see* SUN, J.
- FAZILE AKBAR, SK. MD. *see* YAMAMOTO, K.
- FENSOM, A. H. *see* PELLI, N.
- FERNIE, B. A. *see* O'HARA, A. M.
- FIJEN, C. A. P., KUIJPER, E. J., DROGARI-APIRANTHITOU, M., VAN LEEUWEN, Y., DAHA, M. R. & DANKERT, J. Protection against meningococcal serogroup ACYW disease in complement-deficient individuals vaccinated with the tetravalent meningococcal capsular polysaccharide vaccine, 362
- FILION, L. *see* KUMAR, A.
- FINIASZ, M. *see* SASIAIN, M. DEL C.
- FINK, S. *see* SASIAIN, M. DEL C.
- FLEMING, T. P. *see* MOCKRIDGE, C. I.
- FORSYTH, K. D. *see* WANG, S.-Z.
- FOURNIER, P. *see* DEMOTZ, S.
- FRADELIZI, D. *see* ASSELIN, S.
- FRASSANTO, M. A., SILVESTRIS, F., SILVESTRIS, N., CAFFORIO, P., CAMARDA, G., IODICE, G. & DAMMACCO, F. Fas/Fas ligand (FasL)-deregulated apoptosis and IL-6 insensitivity in highly malignant myeloma cells, 179
- FROLAND, S. S. *see* NORDØY, I.
- FUJIMOTO, J. *see* IWASAKI, T.
- GARCÍA-LOZANO, J. R., GONZÁLEZ-ESCRIBANO, M. F., RODRÍGUEZ, R., RODRIGUEZ-SÁNCHEZ, J. L., TARGOFF, I. N., WICHMANN, I. & NÚÑEZ-ROLDÁN, A. Detection of anti-PL-12 autoantibodies by ELISA using a recombinant antigen; study of the immunoreactive region, 161
- GARCÍA-VALERO, J. *see* LABRADOR, M.
- GAWKRODGER, D. J. *see* KEMP, E. H.
- GAZZARD, B. G. *see* MOORE D. A. J.
- GEHRING, H. *see* ROTH-ISIGKEIT, A.
- GELI, C. *see* LABRADOR, M.
- GELPI, C. *see* LABRADOR, M.
- GERKEN, G. *see* KNOLLE, P. A.
- GERSHTHEIN, V. *see* SHAPIRO, S.
- GESZTESI, J.-L. *see* SOUZA, A. R.
- GLÜCK, R. *see* SAUERWEIN-TEISSL, M.
- GOCKEL, H. *see* LÜGERING, N.
- GONZÁLEZ-ESCRIBANO, M. F. *see* GARCÍA-LOZANO, J. R.
- GOSWAMI, R. P. *see* CHATTERJEE, M.
- GREENBERG, Z. *see* KALINKOVICH, A.
- GRIGOLO, B., MAZZETTI, I., BORZI, R. M., HICKSON, I. D., FABBRI, M., FASANO, L., MELICONI, R. & FACCHINI, A. Mapping of topoisomerase II  $\alpha$  epitopes recognized by autoantibodies in idiopathic pulmonary fibrosis, 339
- GRIUNCELLI, M. *see* ROSTOKER, G.
- GROSS, W. L. *see* MOOSIG, F.
- GRUBECK-LOEBENSTEIN, B. *see* SAUERWEIN-TEISSL, M.
- GUHA, S. K. *see* CHATTERJEE, M.
- HACK, C. E. *see* TEILING, J. L.
- HALDER, R. C., SEKI, S., WEERASINGHE, A., KAWAMURA, T., WATANABE, H. & ABO, T. Characterization of NK cells and extrathymic T cells generated in the liver of irradiated mice with a liver shield, 434
- HAMANO, T. *see* IWASAKI, T.
- HANIKÝROVÁ, M. *see* REDDY, R. K.
- HANSEN, J.-E. S. *see* NIELSEN, S. D.
- HANSSON, A.-S. *see* CARLSEN, S.
- HARRIS, R. *see* BAKHET, M.
- HASEGAWA, Y. *see* WAKAYAMA, H.
- HEGENBARTH, S. *see* KNOLLE, P. A.
- HEINEGÅRD, D. *see* CARLSEN, S.
- HENDERSON, D. *see* MOORE D. A. J.
- HICKSON, I. D. *see* GRIGOLO, B.
- HIRADE, H. *see* TAKATA, Y.
- HOBART, M. J. *see* O'HARA, A. M.
- HOKIBARA, S., TAKAMOTO, M., ISobe, M. & SUGANE, K. Effects of monoclonal antibodies to adhesion molecules on eosinophilic myocarditis in *Toxocara canis*-infected CBA/J mice, 236
- HOLMDAHL, R. *see* CARLSEN, S.
- HOMBURGER, H. A. *see* SUN, J.
- HUMMEL, A. M. *see* SUN, J.
- HUSSAIN, R., DOCKRELL, H. M., SHAHID, F., ZAFAR, S. & CHIANG, T. J. Leprosy patients with lepromatous disease recognise cross-reactive T cell epitopes in the *Mycobacterium leprae* 10-kD antigen, 204
- INVERNIZZI, P., BATTEZZATI, P. M., CROSGNANI, A., ZERMIANI, P., BIGNOTTO, M., DEL PAPA, N., ZUIN, M. & PODDA, M. Antibody to carbonic anhydrase II is present in primary biliary cirrhosis (PBC) irrespective of antimitochondrial antibody status, 448
- IODICE, G. *see* FRASSANTO, M.A.
- ISENBERG, D. A. *see* MOCKRIDGE, C. I.
- ISobe, M. *see* HOKIBARA, S.
- IWASAKI, T., HAMANO, T., FUJIMOTO, J., OGATA, A. & KAKISHITA, E. Regulation of cytokine expression by an autoreactive B cell clone derived from MRL/MP-lpr/lpr mice, 1
- JIANG, S. *see* EBERL, G.
- JOHNSSON, C. *see* LARSSON, P.
- KAKISHITA, E. *see* IWASAKI, T.
- KALINKOVICH, A., WEISMAN, Z., GREENBERG, Z., NAHMIA, J., EITAN, S., STEIN, M. & BENTWICH, Z. Decreased CD4 and increased CD8 counts with T cell activation is associated with chronic helminth infection, 414
- KALLENBERG, C. G. M. *see* MULLER KOBOLD, A. C.
- KAMEZAWA, Y. *see* TAKATA, Y.
- KAKEKO, A. *see* WAKISAKA, S.
- KAWABE, T. *see* WAKAYAMA, H.
- KAWABE, Y. *see* NAKAMURA, H.
- KAWAKAMI, A. *see* NAKAMURA, H.
- KAWAMURA, T. *see* HALDER, R. C.
- KEMP, E. H., GAWKRODGER, D. J., WATSON, P. F. & WEETMAN, A. P. Autoantibodies to human melanocyte-specific protein Pmel17 in the sera of vitiligo patients: a sensitive and quantitative radioimmunoassay (RIA), 333
- KIKUTANI, H. *see* WAKAYAMA, H.
- KIRKWOOD, J. M. *see* LOGAN, T. F.
- KITTAS, C. *see* POLIHRONIS, M.
- KLAESKOG, L. *see* LARSSON, P.
- KLEMBERG, J. *see* BROWN, J. R.
- KLIMEK, M. *see* PTAK, W.
- KNOLLE, P. A., UHRIG, A., HEGENBARTH, S., LÖSER, E., SCHMITT, E., GERKEN, G. & LOHSE, A. W. IL-10 down-regulates T cell activation by antigen-presenting liver sinusoidal endothelial cells through decreased antigen uptake via the mannose receptor and lowered surface expression of accessory molecules, 427
- KOENE, H. R. *see* MÜLLER KOBOLD, A. C.
- KOJI, T. *see* NAKAMURA, H.
- KONING, F. *see* TEN DAM, M.
- KOOY, Y. *see* TEN DAM, M.
- KRUIZE, Y. C. M. *see* DE BOER, B. A.

- KUCHARZIK, T. *see* LÜGERING, N.  
 KUIPER, E. J. *see* FIJEN, C. A. P.  
 KUIPER, E. J. *see* PRINS, J. M.  
 KUMAR, A., ANGEL, J. B., DAFTARIAN, M. P., PARATO, K., CAMERON, W. D., FILION, L. & DIAZ-MITOMA, F. Differential production of IL-10 by T cells and monocytes of HIV-infected individuals: association of IL-10 production with CD28-mediated immune responsiveness, 78
- LABRADOR, M., ALGUERÓ, A., DÍAZ, C., GELI, C., PÉREZ, E., GARCÍA-VALERO, J., RODRIGUEZ-SÁNCHEZ, J. L. & GELPI, C. Antibodies against a novel nucleolar and cytoplasmic antigen (p105-p42) present in the sera of patients with a subset of rheumatoid arthritis (RA) with signs of scleroderma, 301
- LAHAT, N. *see* SHAPIRO, S.
- LANCELLA, L. *see* MASTROIANNI, C. M.
- LARSSON, P., MATTSSON, L., KLAESKOG, L. & JOHNSSON, C. A vitamin D analogue (MC 1288) has immunomodulatory properties and suppresses collagen-induced arthritis (CIA) without causing hypercalcaemia, 277
- LAUW, F. N. *see* PRINS, J. M.
- LAZZARIN, A. *see* RIZZARDI, G. P.
- LEAL, M. *see* MEDRANO, F. J.
- LICHTNER, M. *see* MASTROIANNI, C. M.
- LINDQUIST, L. *see* BAKHET, M.
- LINK, H. *see* BAKHET, M.
- LISSEN, E. *see* MEDRANO, F. J.
- LOGAN, T. F., BANNER, B., RAO, U., ERNSTOFF, M. S., WOLMARK, N., WHITESIDE, T. L., MIKETIC, L. & KIRKWOOD, J. M. Inflammatory cell infiltrate in a responding metastatic nodule after vaccine-based immunotherapy, 347
- LOHSE, W. *see* KNOLLE, P. A.
- LOPES J. D. *see* SOUZA, A. R.
- LOVEJOY, M. *see* WANG, S.-Z.
- LÖSER, E. *see* KNOLLE, P. A.
- LÜGERING, N., KUCHARZIK, T., GOCKEL, H., SORG, C., STOLL, R. & DOMSCHKE, W. Human intestinal epithelial cells down-regulate IL-8 expression in human intestinal microvascular endothelial cells; role of transforming growth factor-beta 1 (TGF-β1), 377
- MACEDO, M. S. *see* FAQUIM-MAURO, E. L.
- MACH, J.-P. *see* EBERL, G.
- MAJCHER, P. *see* PTAK, W.
- MANDAL, C. *see* CHATTERJEE, M.
- MARIANO, M. *see* SOUZA, A. R.
- MARINI, M. *see* BROWN, J. R.
- MARRIOTT, J. B. *see* RIZZARDI, G. P.
- MASTROIANNI, C. M., LANCELLA, L., MENGONI, F., LICHTNER, M., SANTOPADRE, P., D'AGOSTINO, C., TICCA, F. & VULLO, V. Chemokine profiles in the cerebrospinal fluid (CSF) during the course of pyogenic and tuberculous meningitis, 210
- MASUMOTO, T. *see* YAMAMOTO, K.
- MATTOLL, S. *see* BROWN, J. R.
- MATTSSON, L. *see* LARSSON, P.
- MAZZETTI, I. *see* GRIGOLO, B.
- MCKAY, P. J. *see* COPELAND, K. F. T.
- MEARIN, M. L. *see* TEN DAM, M.
- MEDRANO, F. J., REY, C., LEAL, M., CAÑAVATE, C., RUBIO, A., SÁNCHEZ-QUIJANO, A., ALVAR, J. & LISSEN, E. Dynamics of serum cytokines in patients with visceral leishmaniasis and HIV-1 co-infection, 403
- MELICONI, R. *see* GRIGOLO, B.
- MENGONI, F. *see* MASTROIANNI, C. M.
- MESANDER, G. *see* MULLER KOBOLD, A. C.
- MESCHI, F. *see* SARUGERI, E.
- MEUWISSEN, S. G. M. *see* DIELEMAN, L. A.
- MIELI-VERGANI, G. *see* PELLI, N.
- MIGITA, K. *see* NAKAMURA, H.
- MIKETIC, L. *see* LOGAN, T. F.
- MOCKRIDGE, C. I., CHAPMAN, C. J., SPELLERBERG, M. B., SHETH, B., FLEMING, T. P., ISENBERG, D. A. & STEVENSON, F. K. Sequence analysis of V<sub>4-34</sub>-encoded antibodies from single B cells of two patients with systemic lupus erythematosus (SLE), 129
- MONESTIER, M. *see* BAGENSTOSE, L. M.
- MONTALTO, G. *see* DI BONA, D.
- MOORE, D. A. J., HENDERSON, D. & GAZZARD, B. G. Neutrophil adhesion molecules in HIV disease, 73
- MOOSIG, F., CSERNOK, E., WANG, G. & GROSS, W. L. Costimulatory molecules in Wegener's granulomatosis (WG): lack of expression of CD28 and preferential up-regulation of its ligands B7-1 (CD80) and B7-2 (CD86) on T cells, 113
- MORAES, J. Z. *see* SOUZA, A. R.
- MORGAN, A. P. *see* O'HARA, A. M.
- MORGAN, B. P. & ORREN, A. Vaccination against meningococcus in complement-deficient individuals, 327
- MOUTSOPOULOS, H. M. *see* POLIHRONIS, M.
- MÜLLER, F. *see* NORDØY, I.
- MULLER KOBOLD, A. C., MESANDER, G., STEGEMAN, C. A., KALLENBERG, C. G. M. & COHEN TERVAERT, J. W. Are circulating neutrophils intravascularly activated in patients with anti-neutrophil cytoplasmic antibody (ANCA)-associated vasculitides?, 491
- MULLER KOBOLD, A. C., ZIJLSTRA, J. G., KOENE, H. R., DE HAAS, M., KALLENBERG, C. G. M. & COHEN TERVAERT, J. W. Levels of soluble FcγRIII correlate with disease severity in sepsis, 220
- MULLER, C. P. *see* DEMOTZ, S.
- MUSTAFA, M. *see* BAKHET, M.
- NAGAFUCHI, H. *see* WAKISAKA, S.
- NAHMIAS, J. *see* KALINKOVICH, A.
- NAKAMURA, H., KOJI, T., TOMINAGA, M., KAWAKAMI, A., MIGITA, K., KAWABE, Y., NAKAMURA, T., SHIRABE, S. & EGUCHI, K. Apoptosis in labial salivary glands from Sjögren's syndrome (SS) patients: comparison with human T lymphotropic virus-I (HTLV-I)-seronegative and -seropositive SS patients, 106
- NAKAMURA, T. *see* NAKAMURA, H.
- NAKATANI, K. *see* TAKATA, Y.
- NANDA, N. K. *see* CORMAN, J. M.
- NIELSEN, S. D., AFZELIUS, P., ERSBØLL, A. K., NIELSEN, J. O. & HANSEN, J.-E. S. Expression of the activation antigen CD69 predicts functionality of *in vitro* expanded peripheral blood mononuclear cells (PBMC) from healthy donors and HIV-infected patients, 66
- NEWTON, J. J. *see* COPELAND, K. F. T.
- NIELSEN, J. O. *see* NIELSEN, S. D.
- NORDØY, I., MÜLLER, F., AUKRUST, P. & FROLAND, S. S. Adhesion molecules in common variable immunodeficiency (CVID)—a decrease in L-selectin-positive T lymphocytes, 258
- NÚÑEZ-ROLDÁN, A. *see* GARCÍA-LOZANO, J. R.
- O'HARA, A. M., FERNIE, B. A., MORGAN, A. P., WILLIAMS, Y. E., CONNAUGHTON, J. J., ORREN, A. & HOBART, M. J. C7 deficiency in an Irish family: a deletion defect which is predominant in the Irish, 355
- OCKLITZ, E. *see* ROTH-ISIGKET, A.
- OGATA, A. *see* IWASAKI, T.
- OLSSON, H. *see* CARLSÉN, S.
- ONJI, M. *see* YAMAMOTO, K.
- ORREN, A. *see* MORGAN, B. P.
- ORREN, A. *see* O'HARA, A. M.
- PALMEN, M. J. H. J. *see* DIELEMAN, L. A.
- PARATO, K. *see* KUMAR, A.
- PASTORE, M. R. *see* SARUGERI, E.
- PEARSON, J. D. *see* DENTON, C. P.
- PELLI, N., FENSON, A. H., SLADE, C., BOA, F., MIELI-VERGANI, G. & VERGANI, D. Argininosuccinate lyase: a new autoantigen in liver disease, 455
- PEÑA, A. S. *see* DIELEMAN, L. A.
- PEÑA, S. *see* TEN DAM, M.
- PETIT-PHAR, M. *see* ROSTOKER, G.
- PÉREZ, E. *see* LABRADOR, M.
- PILATTE, Y. *see* ROSTOKER, G.
- PIZZARELLO, G. *see* SASIAIN, M. DEL C.
- PODDA, M. *see* INVERNIZZI, P.
- POLIHRONIS, M., TAPINOS, N. I., THEOCHARIS, S. E., ECONOMOU, A., KITTAS, C. & MOUTSOPOULOS, H. M. Modes of epithelial cell death and repair in Sjögren's syndrome (SS), 485
- PRAMANIK, N. *see* CHATTERJEE, M.
- PRINS, J. M., LAUW, F. N., DERKX, B. H. F., SPEELMAN, P., KUUPER, E. J., DANKEERT, J. & VAN DEVENTER, S. J. H. Endotoxin release and cytokine production in acute and chronic meningococcaemia, 215
- PTAK, M. *see* PTAK, W.

- PTAK, W., KLIIMEK, M., BRYNIARSKI, K., PTAK, M. & MAJCHER, P. Macrophage function in alloxan diabetic mice: expression of adhesion molecules, generation of monokines and oxygen and NO radicals, 13
- RAO, U. *see* LOGAN, T. F.
- REDDY, R. K., XIA, Y., HANIKÝROVÁ, M. & ROSS, G. D. A mixed population of immature and mature leucocytes in umbilical cord blood results in a reduced expression and function of CR3 (CD11b/CD18), 462
- REIMANN, J. *see* BREGENHOLT, S.
- REY, C. *see* MEDRANO, F. J.
- RIDINGS, J., DINAN, L., WILLIAMS, R., ROBERTON, D. & ZOLA, H. Somatic mutation of immunoglobulin  $V_{H}6$  genes in human infants, 33
- RIZZARDI, G. P., MARRIOTT, J. B., COOKSON, S., LAZZARIN, A., DALGLEISH, A. G. & BARCELLINI, W. Tumour necrosis factor (TNF) and TNF-related molecules in HIV-1<sup>+</sup> individuals: relationship with *in vitro* Th1/Th2-type response, 61
- ROBERTON, D. *see* RIDINGS, J.
- RODRIGUEZ-SÁNCHEZ, J. L. *see* GARCÍA-LOZANO, J. R.
- RODRIGUEZ-SÁNCHEZ, J. L. *see* LABRADOR, M.
- RODRIGUEZ, R. *see* GARCÍA-LOZANO, J. R.
- ROSENTHAL, K. L. *see* COPELAND, K. F. T.
- ROSS, G. D. *see* REDDY, R. K.
- ROSTOKER, G., RYMER, J.-C., BAGNARD, G., PETIT-PHAR, M., GRIUNCELLI, M. & PILATTE, Y. Imbalances in serum proinflammatory cytokines and their soluble receptors: a putative role in the progression of idiopathic IgA nephropathy (IgAN) and Henocho-Schönlein purpura nephritis, and a potential target of immunoglobulin therapy?, 468
- ROTH-ISIGKEIT, A., SCHWARZENBERGER, J., V. BORSTEL, T., GEHRING, H., OCKLITZ, E., WAGNER, K., SCHMUCKER, P. & SEYFARTH, M. Perioperative cytokine release during coronary artery bypass grafting in patients of different ages, 26
- RUBIO, A. *see* MEDRANO, F. J.
- RYMER, J.-C. *see* ROSTOKER, G.
- SAHA, S. K. *see* CHATTERJEE, M.
- SAITO, H. *see* WAKAYAMA, H.
- SAITO, N. *see* WAKISAKA, S.
- SAKANE, T. *see* WAKISAKA, S.
- SALGAME, P. *see* BAGENSTOSE, L. M.
- SALMAN, N. *see* SHAPIRO, S.
- SANTOPADRE, P. *see* MASTROIANNI, C. M.
- SARUGERI, E., DOZIO, N., BELLONI, C., MESCHI, F., PASTORE, M. R. & BONIFACIO, E. Autoimmune responses to the  $\beta$  cell autoantigen, insulin, and the *INS* VNTR-IDDM2 locus, 370
- SASIAIN, M., DEL C., DE LA BARRERA, S., FINK, S., FINIASZ, M., ALEMÁN, M., FARÍNA, M. H., PIZZARIOLLO, G. & VALDEZ, R. Interferon-gamma (IFN- $\gamma$ ) and tumour necrosis factor-alpha (TNF- $\alpha$ ) are necessary in the early stages of induction of CD4 and CD8 cytotoxic T cells by *Mycobacterium leprae* heat shock protein (hsp) 65 kD, 196
- SATO, J. *see* SOUZA, A. R.
- SAURWEIN-TEISSEL, M., ZISTERER, K., SCHMITT, T. L., GLÜCK, R., CRYZ, S. & GRUBECK-LOEBENSTEIN, B. While virus influenza vaccine activates dendritic cells (DC) and stimulates cytokine production by peripheral blood mononuclear cells (PBMC) while subunit vaccines support T cell proliferation, 271
- SÁNCHEZ-QUDANO, A. *see* MEDRANO, F. J.
- SCHMITT, E. *see* KNOLLE, P. A.
- SCHMITT, T. L. *see* SAURWEIN-TEISSEL, M.
- SCHMUCKER, P. *see* ROTH-ISIGKEIT, A.
- SCHNEIDER, P. *see* EBERL, G.
- SCHÖPFE, E. *see* TERMEER, C. C.
- SCHWARZENBERGER, J. *see* ROTH-ISIGKEIT, A.
- SEKI, S. *see* HALDER, R. C.
- SEKI, S. *see* TAKATA, Y.
- SEKINE, I. *see* TAKATA, Y.
- SERCARZ, E. E. *see* CORMAN, J. M.
- SEYFARTH, M. *see* ROTH-ISIGKEIT, A.
- SHAHID, F. *see* HUSSAIN, R.
- SHAPIRO, S., GERSHTEN, V., ELIAS, N., ZUCKERMAN, E., SALMAN, N. & LAHAT, N. mRNA cytokine profile in peripheral blood cells from chronic hepatitis C virus (HCV)-infected patients: effects of interferon-alpha (IFN- $\alpha$ ) treatment, 55
- SHETH, B. *see* MOCKRIDGE, C. I.
- SHI-WEN, X. *see* DENTON, C. P.
- SHIMOKATA, K. *see* WAKAYAMA, H.
- SHIMOMURA, Y. *see* WAKISAKA, S.
- SHIRABE, S. *see* NAKAMURA, H.
- SILVESTRIS, F. *see* FRASSANITO, M. A.
- SILVESTRIS, N. *see* FRASSANITO, M. A.
- SIMON, J. C. *see* TERMEER, C. C.
- SLADE, C. *see* PELLI, N.
- SMITH, P. K. *see* WANG, S.-Z.
- SORG, C. *see* LÜGERING, N.
- SOUZA, A. R., GESZTESI, J.-L., MORAES, J. Z., CRUZ, C. R. B., SATO, J., MARIANO, M. & LOPES, J. D. Evidence of idiotypic modulation in the immune response to gp43, the major antigenic component of *Paracoccidioides brasiliensis* in both mice and humans, 40
- SPECKS, U. *see* SUN, J.
- SPELMAN, P. *see* PRINS, J. M.
- SPELLERBERG, M. B. *see* MOCKRIDGE, C. I.
- STEIGEMAN, C. A. *see* MULLER KOBOLD, A. C.
- STEIN, M. *see* KALINKOVICH, A.
- STEVENSON, F. K. *see* MOCKRIDGE, C. I.
- STOLL, R. *see* LÜGERING, N.
- SUGANE, K. *see* HOKIBARA, S.
- SUN, G. *see* BROWN, J. R.
- SUN, J., FASS, D. N., VISS, M. A., HUMMEL, A. M., TANG, H., HOMBURGER, H. A. & SPECKS, U. A proportion of proteinase 3 (PR3)-specific anti-neutrophil cytoplasmic antibodies (ANCA) only react with PR3 after cleavage of its N-terminal activation dipeptide, 320
- SUTTON, A. *see* DENTON, C. P.
- SUZUKI, N. *see* WAKISAKA, S.
- SVENSSON, L. *see* TAUBE, M.
- TAKAMOTO, M. *see* HOKIBARA, S.
- TAKATA, Y., SEKI, S., DOBASHI, H., TAKESHITA, K., NAKATANI, K., KAMEZAWA, Y., HIRADE, H., SEKINE, I. & YOSHIOKA, S. Inhibition of IL-12 synthesis of peripheral blood mononuclear cells (PBMC) stimulated with a bacterial superantigen by pooled human immunoglobulin: implications for its effect on Kawasaki disease (KD), 311
- TAKEBA, Y. *see* WAKISAKA, S.
- TAKENO, M. *see* WAKISAKA, S.
- TAKESHITA, S. *see* TAKATA, Y.
- TANG, H. *see* SUN, J.
- TAPINOS, N. I. *see* POLIHRONIS, M.
- TARGOFF, I. N. *see* GARCÍA-LOZANO, J. R.
- TAUBE, M., SVENSSON, L. & CARLSTEN, H. T lymphocytes are not the target for estradiol-mediated suppression of DTH in reconstituted female severe combined immunodeficient (SCID) mice, 147
- TEILING, J. L., DE GROOT, E. R., EERENBERG, A. J. M., BLEEKER, W. K., VAN MIERLO, G., AARDEN, L. A. & HACK, C. E. Human intravenous immunoglobulin (IVIG) preparations degranulate human neutrophils *in vitro*, 264
- TEN DAM, M., VAN DE WAL, Y., MEARIN, M. L., KOY, Y., PEÑA, S., DRIJFHOUT, J. W., KONING, F. & VAN TOL, M. Anti- $\alpha$ -gliadin antibodies (AGA) in the serum of coeliac children and controls recognize an identical collection of linear epitopes of  $\alpha$ -gliadin, 189
- TERMEER, C. C., WEISS, J. M., SCHÖPFE, E., VANSCHEIDT, W. & SIMON, J. C. The low molecular weight Dextran 40 inhibits the adhesion of T lymphocytes to endothelial cells, 422
- THEOCARIS, S. E. *see* POLIHRONIS, M.
- TICCA, F. *see* MASTROIANNI, C. M.
- TONINAGA, M. *see* NAKAMURA, H.
- UIHRIG, A. *see* KNOLLE, P. A.
- V. BORSTEL, T. *see* ROTH-ISIGKEIT, A.
- VALDEZ, R. *see* SASIAIN, M. DEL C.
- VAN DE WAL, Y. *see* TEN DAM, M.
- VAN DEVENTER, S. J. H. *see* PRINS, J. M.
- VAN LEEUWEN, Y. *see* FIJEN, C. A. P.
- VAN MIERLO, G. *see* TEILING, J. L.
- VAN REES, E. P. *see* DIELEMAN, L. A.
- VAN TOL, M. *see* TEN DAM, M.
- VANSCHEIDT, W. *see* TERMEER, C. C.
- VERGANI, D. *see* PELLI, N.
- VISS, M. A. *see* SUN, J.
- VULLO, V. *see* MASTROIANNI, C. M.

- WAGNER, P. *see* ROTH-ISIGKEIT, A.  
WAKAYAMA, H., HASEGAWA, Y., KAWABE, T., SAITO, H., KIKUTANI, H. & SHIMOKATA, K. IgG-mediated anaphylaxis via FC $\gamma$  receptor in CD40-deficient mice, 154  
WAKISAKA, S., SUZUKI, N., TAKEBA, Y., SHIMOMURA, Y., NAGAFUCHI, H., TAKENO, M., SAITO, N., YOKOE, T., KANEKO, A., ASAI, T. & SAKANE, T. Modulation by proinflammatory cytokines of Fas/Fas ligand-mediated apoptotic cell death of synovial cells in patients with rheumatoid arthritis (RA), 119  
WANG, G. *see* MOOSIG, F.  
WANG, S.-Z., SMITH, P. K., LOVEJOY, M., BOWDEN, J. J., ALPERS, J. H. & FORSYTH, K. D. The apoptosis of neutrophils is accelerated in respiratory syncytial virus (RSV)-induced bronchiolitis, 49  
WATANABE, H. *see* HALDER, R. C.  
WATSON, P. F. *see* KEMP, E. H.  
WEERASINGHE, A. *see* HALDER, R. C.  
WEETMAN, A. P. *see* KEMP, E. H.  
WEISMAN, Z. *see* KALINKOVICH, A.  
WEISS, J. M. *see* TERMEER, C. C.  
WHITESIDE, T. L. *see* LOGAN, T. F.  
WICHMANN, I. *see* GARCIA-LOZANO, J. R.  
WILKINSON, R. J. *see* AGREWALA, J. N.  
WILLIAMS, R. O. Rodent models of arthritis: relevance for human disease, 330  
WILLIAMS, R. *see* RIDINGS, J.  
WILLIAMS, Y. E. *see* O'HARA, A. M.  
WOLMARK, N. *see* LOGAN, T. F.  
XIA, Y. *see* REDDY, R. K.  
YAMAMOTO, K., FAZLE AKBAR, SK. MD., MASUMOTO, T. & ONJI, M. Increased nitric oxide (NO) production by antigen-presenting dendritic cells is responsible for low allogeneic mixed leucocyte reaction (MLR) in primary biliary cirrhosis (PBC), 94  
YAZDANBAKHSH, M. *see* DE BOER, B. A.  
YOKOE, T. *see* WAKISAKA, S.  
YOSHIOKA, S. *see* TAKATA, Y.  
YU, Z. *see* EBERL, G.  
ZAFAR, S. *see* HUSSAIN, R.  
ZERMANI, P. *see* INVERNIZZI, P.  
ZHU, J. *see* BAKHET, M.  
ZIJLSTRA, J. G. *see* MÜLLER KOLBOLD, A. C.  
ZISTERER, K. *see* SAUERWEIN-TESSL, M.  
ZOLA, H. *see* RIDINGS, J.  
ZUCKERMAN, E. *see* SHAPIRO, S.  
ZUIN, M. *see* INVERNIZZI, P.

## Subject Index

- 10-kD recombinant antigen, 204  
16 kD antigen, 392
- adhesion assay, 422  
adhesion molecule, 73  
adhesion molecules, 13, 236, 258, 491  
adoptive immunotherapy, 347  
affinity maturation, 33  
age, 26  
airway allergy, 137  
aminoacyl-tRNA synthetase, 161  
analogue, 277  
anaphylaxis, 154  
ANCA, 491  
animal model, 236  
anti-DNA, 129  
anti- $\alpha$ -gliadin antibodies, 189  
anti-liver cytosol antibody type 1, 455  
anti-neutrophil cytoplasmic antibodies, 320  
anti-nucleolar antibodies, 9, 301  
antibody isotype, 245  
antibody response, 33  
antigen processing and presentation, 228  
antigenic determinant, 166  
antimitochondrial antibody, 448  
antimonial unresponsiveness, 408  
APACHE, 220  
apoptosis, 49, 106, 119, 485  
argininosuccinate lyase, 455  
*Ascaris suum*, 245  
asthma, 137  
autoantibodies, 301, 339, 448  
autoantibody, 370, 398  
autoantigen, 333  
autocrine differentiation, 1  
autoimmune cholangitis, 448  
autoimmune hepatitis, 455  
autoimmunity, 9, 161, 333, 477  
autologous tumour vaccine, 347
- B cell hybridoma, 1  
B cell lymphoma, 173  
B cells, 129  
B7, 113  
bacterial meningitis, 398  
bronchiolitis, 49
- C7 deficiency, 355  
c-kit<sup>+</sup> stem cells, 434  
carbonic anhydrase, 448  
cardiac surgery, 26  
cartilage, 477  
CD19, 173  
CD28, 78, 113  
CD30 antigen, 61  
CD4 T cell, 166  
CD4<sup>+</sup> T cell, 173  
CD40, 154  
CD69, 66  
CD8 T cell, 166  
CD8<sup>+</sup> T cell, 87  
CD80, 427  
CD86, 427  
cell-mediated immunity, 370  
cellular factors/cytokines, 61  
cerebrospinal fluid, 210
- chemokines, 137, 210  
Child-Pugh, 102  
chronic immune activation, 414  
chronic meningococcaemia, 215  
co-culture, 293  
coeliac disease, 189  
colitis, 385  
committed B cells, 252  
common variable immunodeficiency, 258  
complement, 355, 362  
complement receptors, 462  
costimulatory molecules, 113  
cross-reactive, 204  
CSF, 398  
CTL, 196  
cytokine, 26, 245, 398  
cytokines, 55, 119, 215, 271, 284, 403  
cytotoxicity, 173
- dendritic cells, 94, 271  
dextran sulphate, 385  
diabetes, 13  
different vaccines, 271  
disease progression, 61  
DNA markers, 355  
DTH, 147
- elastase, 264  
ELISA, 161, 189  
endogenous IL-6, 1  
endothelial cells, 377, 422  
endothelium, 293  
endotoxin, 215  
eosinophilic myocarditis, 236  
eosinophils, 137  
eotaxin, 137  
epithelial cells, 377, 485  
epitope mapping, 339  
Ethiopian immigrants, 414  
experimental animal models, 477  
experimental arthritis, 277  
expression cDNA library, 161  
extrathymic T cells, 434
- Fas, 106, 173, 179  
Fas ligand, 106, 179  
Fc receptor, 264  
Fc $\gamma$  receptor, 154  
fibroblast, 293  
flow cytometry, 491
- gene therapy, 66  
genetic defects, 355  
genetics, 370  
gp100, 333  
gp43, 40
- helminth infection, 414  
helminths, 252  
Henoch-Schönlein syndrome, 468  
hepatitis C virus, 55  
hepatocellular carcinoma, 102  
HIV, 66, 73, 87  
HIV-1, 78, 403  
HIV-1 infection, 61  
hsp65-*M. leprae*, 196

- human, 166  
human infection, 40  
human T cells, 228  
hypercalcaemia, 277
- idiopathic pulmonary fibrosis, 339  
idiotypic network, 40  
IgA nephropathy, 468  
IgG, 154  
IgG subclasses, 408  
IgG4, 252  
IL-1 $\beta$ , 26  
IL-10, 26, 61, 78  
IL-12, 311  
IL-13, 252  
IL-2, 347  
IL-2R, 26  
IL-4, 9, 252, 385  
IL-6, 26, 179  
IL-8, 377  
immune regulation, 427  
immune system, 271  
immunoglobulin, 19  
immunoglobulin genes, 33  
immunoglobulin therapy, 468  
immunomodulation, 277  
immunosuppression, 245  
*in vitro* sensitization, 347  
infection, 462  
inflammatory bowel disease, 19  
influenza, 271  
insulin, 370  
integrins, 462  
interferon-alpha therapy, 55  
interferon-gamma, 196, 311, 385, 403  
intravenous immunoglobulins, 264
- kala-azar, 408  
Kawasaki disease, 311
- lactoferrin, 264  
leprosy, 204  
leucocytes, 210  
liver, 434  
liver disease, 102  
local immune response, 427  
lymphocyte expansion, 66
- macrophage, 87  
macrophages, 13, 147  
mannose receptor, 427  
mbTNF- $\alpha$ , 61  
measles virus, 228  
meningitis, 210  
meningococci, 215, 362  
mercury, 9  
MHC, 477  
MHC class II, 228, 427  
mice, 385  
monoclonal antibodies, 40  
monokines, 13  
MRL/MP-lpr/lpr, 1  
mucosal immunity, 19  
multiple myeloma, 179
- N-terminal propeptide, 320  
*Neisseria meningitidis*, 355, 362  
neonatology, 462  
neutrophil, 49, 73, 220  
neutrophil activation, 491  
neutrophils, 264, 462  
nitric oxide, 94  
NK cells, 434  
NK T cells, 434 oestrogen, 147
- oestrogen, 147  
paediatric immunology, 33  
*Paracoccidioides brasiliensis*, 40  
passive immunotherapy, 284  
peptide binding, 228  
peptides, 392  
perioperative, 26  
pertussis toxin, 87  
phagocytosis, 362  
PL-12 autoantibodies, 161  
plasma cell, 179  
Pmel17, 333  
pooled human immunoglobulin, 311  
primary biliary cirrhosis, 94, 448  
proliferation, 66  
properdin, 362  
prostate cancer, 166  
PSA, 166  
PSM, 166
- radicals, 13  
recombinant proteinase 3, 320  
regeneration, 485  
regulation, 49  
renal cell cancer, 347  
replication, 87  
respiratory syncytial virus, 49  
rheumatoid arthritis, 119, 284, 301, 477  
ribosomal biogenesis, 301
- scid mice, 19  
SCID mice, 147  
scleroderma, 293, 301  
sepsis, 215, 220, 491  
single cells, 129  
SIRS, 220  
Sjögren's syndrome, 106, 485  
soluble CD30, 61  
soluble CR1, 102  
soluble Fc $\gamma$ RIII, 220  
somatic hypermutation, 33  
*Streptococcus pyogenes* exotoxin A, 311  
synthetic antibodies, 189  
systemic lupus erythematosus, 129  
systemic sclerosis, 293
- T cell, 284, 347  
T cell activation, 258  
T cell epitopes, 204  
T cell repertoire, 166  
T cell subsets, 414  
T cells, 271, 422  
T lymphocytes, 147  
target antigen, 320  
TGF- $\beta$ 1, 377  
Th1 and Th2 clones, 392  
TNF soluble receptors, 468  
TNF- $\alpha$ , 61  
topoisomerase II, 339  
*Toxocara canis*, 236  
treatment, 277  
tuberculosis, 392  
tumour necrosis factor, 26  
tumour necrosis factor-alpha, 196, 403, 468  
type 1 diabetes, 370  
type 1 hypersensitivity reaction, 154
- V-genes, 129  
vaccination, 362  
vasculitis, 491  
V<sub>H</sub>6, 33  
visceral leishmaniasis, 408  
vitamin D<sub>3</sub>, 277  
vitiligo, 333
- Wegener's granulomatosis, 113